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erable differentiation; it may be polymorphic — that is, produce different kinds of spores in the different stages presented in the course of its life-cycle; the vast quantity of any one host-plant cultivated, as Wheat, Maize, the Potato, the Apple, the Grape, may afford practically unlimited food for the attendant parasite and so the destruction wrought would be almost incalculable. These facts not only indicate the importance of Vegetable Pathology, or Phyto-pathology, but suggest the very intimate relation of this subject with that of *Mycology*. The two can in fact be advantageously kept in mind in the future paragraphs of this elementary treatise.

INDEX TO NORTH AMERICAN MYCOLOGY.

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NOTES FROM MYCOLOGICAL LITERATURE. XI.

W. A. KELLERMAN.

THE ARTICLES PUBLISHED IN THE BULLETIN DE LA SOCIÉTÉ MYCOLOGIQUE DE FRANCE, tome XX, 1^{er} Fascicule, are as follows: Boudier, Sur un nouveau genre et une nouvelle espèce de Myrangiacees le *Guilliermondia saccoboloides*, Note sur une forme stérile du *Dryodon erinaceum*; Vuillemin, Le *Spinalia radians*, g. et n. sp. et la Série des Dispirées; Prillieux, sur la déhiscence des périthèces du *Rosellinia necatrix* (R. Hart.) Berlese; Souché, Sur la *Cantharellus cibarius* Fr., forme *C. neglectus*, et Enquête sur les cas d'empoisonnements par des champignons.

CHARLES THOM DESCRIBES A NEW SPECIES OF THELEPHORACEAE. — *Craterellus taxophilus* — in the March No. of the Botanical Gazette, 1904. The fruiting body is only 14-18 mm. high and grows on moist rotten leaves and twigs under *Taxus canadensis*; collected in Fall Creek gorge, Ithaca, N. Y., November 1903.

S. KUSANA PUBLISHES NOTES ON THE JAPANESE FUNGI, Uredineæ on *Sophora*, in the Botanical Magazine, 18:1-6, Pl. I, 20 Jan. 1904, calling special attention to two species of *Uromyces* (*U. truncicola*, and *sophorae-japonicae*) on *Sophora japonica*. This host is a native species of Japan, but widely cultivated as an ornamental tree, and should these Rusts attack our trees as vigorously as they do in Japan, their beauty and value would be seriously encroached upon. The first species named causes the canker growth of the tree, but the second attacks only the foliar organs.

FLORA, 92. BAND, JAHRGANG 1903, contained important mycological articles as follows: S. I. Keno, Die Sporenbildung von *Taphrina*-Arten; Const. von Deckenbach, *Coenomomyces consuens* nov. gen. nov. spec. Ein Beitrag zur Phylogenie der Pilze; W. Rothert, Die Sporen Entwicklung bei *Aphanomyces*.